

REPORT

FOR THE YEAR 1906.

PRESENTED TO THE

NEWARK

RURAL DISTRICT COUNCIL

BY

FRANK BROADBENT,


M.R.C.S., Eng. ; L.R.C.P., Edinburgh,

MEDICAL OFFICER OF HEALTH.

NEWARK :

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TO THE

Rural District Council of Newark.

GENTLEMEN,

I beg to submit to you my Eleventh Annual Report for the Rural District Council of Newark. The population is estimated at 8023, and during the year there have been 114 deaths and 209 births. The birth rate was 26, against 24·9 for last year. The death rate was 14·2, against 14·9 for last year.

The death rate of children under one year was 245·6 per 1000 of the total deaths, against 218·5 for last year. Among these deaths I notice, three from Whooping Cough and seven from Diarrhœa. Three of the deaths from Diarrhœa occurred in New Balderton in September, where the disease was to some extent epidemic. I must again warn the Authority that until the privies in New Balderton are converted into water closets or the scavenging taken over by the Council there will be great danger of epidemic disease in this, the most populous part of our District. The deaths of children under one year compared to births was 134·2, against 130·6 per 1000 for last year.

The Local Government Board very properly insist on a record of legitimate and illegitimate births being kept. Thus you will observe on Table V. that there

were 17 illegitimate births ; and two deaths of illegitimate children under one year of age. In preparing this return I observe that the Balderton District, comprising Balder-ton and Coddington, with a population of 3925, principally artisans, have 115 births, a per centage per 1000 of 29·2, and that Collingham District, which is purely agricultural and residential, with a population of 4322, has only 69 births, a per centage of 15·9. This in my opinion is greatly to the credit of Balderton, for a nation's advancement depends to a large measure on its birth rate. It also illustrates the fact that young and vigourous blood has a tendency to desert agricultural pursuits for manufacturing. Having said so much in the praise of the Balderton District, in fairness to the Collingham District, I must point out that whereas Balderton has the enormous number of 15 illegitimate children, Collingham has only one this year.

The deaths of children between one and five years was 61·4 per 1000, against 50·4 for last year.

The deaths of persons of 65 and upwards amounted to 342·1 per 1000, against 428·5 for last year, and among them I notice 13 over 80 and 20 over 70 years of age. Cancer caused seven deaths, the average age of which was 60.

The principal Zymotic Diseases caused one death from Erysipelas, a mortality of ·1, against ·5 for last year, and this we hardly ought to have the credit of, as it occurred at the Workhouse Infirmary.

NOTIFICATION OF INFECTIOUS DISEASES.

Erysipelas.—Erysipelas was notified 16 times, but the cases were slight and of no importance. Drainage defects were sometimes observed and remedied.

Scarlatina.—Single cases of Scarlatina were notified from Balderton in February, September, October, and November; Collingham in February and April; Winthorpe in April; South Scarle in May; Broadholme in July; and Barnby in July. All the cases were slight and never spread beyond the house invaded. I think your Inspector and myself may claim some credit for this. We make a rule of visiting the cases immediately, supplying disinfectants freely, and notifying the School on the same day if possible.

Diphtheria.—Diphtheria was only notified twice during the year, in April from Balderton, and in November from South Collingham. The treatment by Antitoxin seems to have very much modified this disease, and deaths seem to be rare. If the Authority can see their way I should advise them to provide Medical Practitioners with Antitoxin free, as it costs at least 5/- a dose. It is true that a case generally only requires one dose, but as we have no Isolation Hospital it would be well to encourage by all means in your power the liberal use of this valuable remedy, especially at times when Diphtheria is likely to become epidemic.

NON-NOTIFIABLE DISEASES.

Measles.—Measles were reported from various parts of your District, and Hawton School had to closed.

I still think it would be a good thing, if the Authority could afford it, to make Measles a notifiable disease. Perhaps the case could be met by asking the County Council to instruct their teachers to immediately notify the Medical Officer of Health of any cases. This disease is very infectious in its early stages, and the Medical Officer of Health very rarely hears of its existence until it has become epidemic.

Whooping Cough.—There were again a great many cases of Whooping Cough throughout the District, and four deaths were reported, three being under seven months of age. Here again the school teachers can be of the greatest assistance in excluding suspicious coughs from the Schools.

Phthisis and Tubercule caused 10 deaths.

ISOLATION HOSPITAL AND DISINFECTION.

Nothing further has been done with regard to an Isolation Hospital. I wonder whether it would be possible to persuade Newark to allow us to board infectious cases in their Hospital from the thickly populated villages round Newark. It would be to their advantage, as many of the people in these villages work in Newark or are constantly going there, so that there is an ever-present danger of our epidemic diseases being carried into Newark.

MILK SUPPLY.

Your Inspector and myself together have visited all the registered Milk Sellers in the District. On the whole they are in good order, and any recommendations with regard to lime-washing, &c., we have made to the owners have been carried out.

WATER SUPPLY.

The villages round Newark to which the mains have been laid are making satisfactory progress in adopting the Newark Water.

DRAINAGE AND SANITARY WORK.

The drainage of the larger villages has given a great deal of trouble to your Authority and your Surveyor.

South Collingham has got an improved drainage scheme, and North Collingham is improving theirs as quickly as possible.

Your Surveyor has thought out a good scheme for dealing with Winthorpe drainage, which, wonderful to relate, even meets the approval of the Parish Meeting.

A Local Government Enquiry was held at Farndon on July 17th, but the Inspector recommended such an expensive scheme that the Authority are now trying to devise something cheaper, which will not require a loan.

SLAUGHTERHOUSES AND BUTCHERS' SHOPS.

Your Inspector and I have visited them and have found them in good order.

FACTORIES, WORKSHOPS, OUT-WORKERS, AND BAKEHOUSES.

The Factories, Workshops, and Bakehouses have been inspected. In three defects were found which have been remedied. We have no Out-workers of our own, but I have visited four who work in Newark and live in this District and have found them quite satisfactory.

CANAL BOATS ACT.*REPORT OF THE NEWARK RURAL DISTRICT COUNCIL FOR
THE YEAR ENDING DECEMBER 31st, 1906.*

(1) The Boats are inspected by the Boats Inspector, Mr. R. Oakden, 17, Winchilsea Avenue, who receives £3 per annum for his services.

(2) Five Boats were inspected during the year and the condition was generally satisfactory, except as hereafter stated.

(3) In one case no certificates could be obtained, and the boat was in an unsatisfactory condition as regards painting and cleanliness. The owner stated that he did not wish the boat to be used for sleeping purposes.

(4 & 5) In the above case the Registration Authority has been notified, and the boat has been struck off the Register.

(6 & 7) No case of infectious diseases have broken out in the District, and no special measures of cleansing or disinfection have been necessary.

(8 & 9) The Council is not a Registration Authority.

WATER ANALYSIS.

Your Inspector has collected and I have qualitatively analysed 18 samples of water, of which 13 have been condemned.

RAINFALL AND TEMPERATURE IN THE DISTRICT.

Appended is the Rainfall and Temperature of the District kindly supplied by the Rev. E. C. Shawfield; and also the Rainfall supplied from North Collingham by

Mr. E. Turton and Miss Holmes. The difference between Miss Holmes's Rainfall and the Rev. E. C. Shawfield's of about an inch can be accounted for by the fact that South Scarle is to the North of Collingham and on a hill, consequently some moisture from the rainy quarters would not get as far, but the discrepancy between Mr. Turton and Miss Holmes, whose houses are on the same level, and not more than a quarter of a mile apart, of nearly three inches, would require the assistance of an expert to explain.

Appended are the tables provided by the Local Government Board, and the Secretary of State, and the Report of the Inspector of Nuisances.

I have the honour to be, Gentlemen,

Your obedient Servant,

FRANK BROADBENT

Newark Rural District Council.

REPORT OF THE INSPECTOR OF NUISANCES

For the Year ending December 31st, 1906.

Nuisances Reported to Council	...	...	...	24
Case not proceeded with	...	...	...	1
Nuisances Abated	...	...	...	17
Nuisances Unabated at end of year	...	...	...	6
Official Notices issued	...	...	...	9
Cases Prosecuted by Authority	...	...	...	0
Newark Water Supply enforced	...	...	...	6
New Drains Provided	...	...	...	8
Wells Cleaned Out	...	...	...	2

I have inspected all Bakehouses, Slaughterhouses, Registered Cow Sheds, and Workshops in the District. Their general condition is satisfactory.

R. OAKDEN, JUNR.,

INSPECTOR OF NUISANCES.

TABLE I.

NEWARK RURAL DISTRICT COUNCIL.

Vital Statistics of whole District during 1906 and previous Years.

YEAR.	Population estimated to Middle of each Year.	BIRTHS.		DEATHS UNDER ONE YEAR OF AGE.		DEATHS AT ALL AGES. TOTAL.		Deaths in Public Institutions.	Deaths of Non-residents registered in District.	Deaths of Residents registered beyond District.	DEATHS AT ALL AGES NETT.	
		Number.	Rate.	Number.	Rate per 1,000 Births Registered.	Number.	Rate.				No.	Rate.
1896	7481	187	25·	23	122·9	101	13·5					
1897	7534	206	27·3	20	97	108	14·3					
1898	7588	197	25·8	24	121·8	101	13·3					
1899	7642	181	23·7	16	88·3	100	13·1					
1900	7696	196	25·4	18	91·8	118	15·3					
1901	7751	225	29·	17	75·5	99	12·7					
1902	7807	220	28·2	26	181·1	107	13·7					
1903	7863	159	20·2	22	138·3	103	13·1					
1904	7919	217	27·4	25	115·1	93	11·7					
1905	7973	199	24·9	26	130·6	119	14·9					
Averages for years 1896-1905.	7725·4	198·7	25·69	21·7	109·9	104·9	13·5					
1906	8023	209	25·8	28	135·7	114	14·2					

Total Population at all ages - 7751.

Area of District in acres (without water) 36,619.

TABLE III.
NEWARK RURAL DISTRICT COUNCIL.
Cases of Infectious Disease notified during the Year 1906.

NOTIFIABLE DISEASE.	CASES NOTIFIED IN WHOLE DISTRICT.							Total Cases Notified in Each Locality.	No. of Cases removed to Hospital from Each Locality.
	At all Ages.	At Ages—Years.							
		Under 5.	1 to 5.	5 to 15.	15 to 25.	25 to 35.	35 and upwards.		
Small Pox	NIL.	NIL.
Cholera	...	...	...	...	...	...	...
Diphtheria	2	...	1	1	...	...	...
Membranous Croup	...	...	...	...	...	...	...
Erysipelas	16	...	...	2	9	5	...
Scarlet Fever	16	...	12	2	1	...	...
Typhus Fever	...	...	...	...	...	...	...
Enteric Fever	...	...	...	...	...	...	...
Relapsing Fever...	...	...	...	...	...	...	...
Continued Fever	...	...	...	...	...	...	...
Puerperal Fever...	...	...	...	...	...	...	...
Plague	...	...	...	...	...	...	...
Totals	34	1	13	5	10	5	5		

Isolation Hospital—None.

NEWARK RURAL DISTRICT COUNCIL:

CAUSES OF DEATH.	Whooping-Cough.	Diarrhoea.	Enteritis.	Erysipelas.	Phthisis.	Other Tubercular Diseases.	Cancer, Malignant Disease.	Bronchitis.	Pneumonia.	Premature Birth.	Heart Diseases.	Accidents.	Suicides.	All other Causes.	All Causes.
All ages.....	4	4	3	1	8	2	6	9	11	5	13	2	1	45	114
Under 1 year.....	1	4	3	1	5	...	1	...	13	28
1 and under 5	3	1	3	7
5 and under 15	1	1	1	3
15 and under 25	1	1	...	2
25 and under 65	1	7	1	5	3	3	...	6	19	35
65 and upwards	1	5	6	...	7	1	...	19	39

TABLE V.
NEWARK RURAL DISTRICT COUNCIL.
INFANTILE MORTALITY DURING THE YEAR 1906.
Deaths from stated Causes in Weeks and Months under One Year of Age.

CAUSE OF DEATH.	Under 1 week.	1-2 Weeks.	3-4 Weeks.	1-2 Months.	2-3 Months.	3-4 Months.	5-6 Months.	6-7 Months.	7-8 Months.	8-9 Months.	10-11 Months.	Total Deaths under One Year.
Whooping Cough ...	1	...	...	...	1	...	...	1	...	...	...	3
Enteritis	2	...	...	...	...	...	...	...	1	...	...	3
Gastritis	2	...	...	1	...	...	...	...	...	1	...	4
Premature Birth ...	2	...	...	...	...	...	...	...	...	...	...	2
Injury at Birth	1	...	...	...	...	...	...	...	...	...	...	1
Atrophy	1	1	...	2	...	1	...	...	...	...	...	5
Convulsions .....	...	...	...	1	1	...	1	...	...	...	1	4
Bronchitis .....	...	...	...	1	...	...	...	...	...	...	...	1
Pneumonia.....	...	...	1	...	...	...	...	...	...	...	...	1
Other Causes.....	2	2	...	...	...	...	...	...	...	...	...	4
All Causes	11	3	1	5	2	1	1	1	1	1	1	28

Births in the Year { legitimate 192.
illegitimate 17.

Deaths in the Year of { legitimate infants 26.
illegitimate infants 2.

Population 7751.

NEWARK RURAL DISTRICT COUNCIL.

Factories, Workshops, Laundries, Workplaces, & Homework.**1—INSPECTION.***Including Inspections made by Sanitary Inspector or Inspector of Nuisances.*

PREMISES.								Number of Inspections.
Factories	...	...	...	...	...	...	...	1
(Including Factory Laundries)								
Workshops	...	...	...	...	...	...	...	17
(Including Workshop Laundries)								
Total							...	18

2—DEFECTS FOUND.

PARTICULARS.					Number of	
					Found.	Remedied.
<i>Nuisances under the Public Health Acts:—</i>						
Want of Cleanliness...	...	...	...	...	3	2
Total					3	2

3—HOME WORK.

NATURE OF WORK.					Numbers of Addresses of Outworkers received from other Councils.	Number of Inspections of Outworkers' Premises.
Wearing Apparel—Making, &c.	...	...	...	...	4	4
Total					4	4

4—REGISTERED WORKSHOPS.

WORKSHOPS ON REGISTER AT END OF THE YEAR.								Number.
Bakehouses	...	...	...	...	...	...	...	6
Other Workshops	...	...	...	...	...	...	...	11
Total Number of Workshops on Register								17

F. BROADBENT,

*February 2nd, 1907.**Medical Officer of Health.*

RAINFALL IN 1906.

At SOUTH SCARLE VICARAGE, in the County of Notts.

Rain Gauge { Diameter of Funnel 5in.
Height of Top { Above Ground 1ft. 4in.
Above Sea Level 52ft.

Month.	Total Depth.	Greatest fall in 24 hours		No. of days on which .01 or more fell.
	Inches.	Inches.	Date.	
January	2.35	.73	7	11
February	2.13	.80	27	15
March	1.05	.25	1	13
April .....	.50	.28	22	7
May	1.14	.25	20	16
June	1.97	.55	15	10
July.....	.42	.31	28	5
August .....	.76	.32	16	9
September .....	.65	.22	14	6
October	3.78	1.63	18	14
November	2.13	.45	8	14
December	2.44	.54	25	18
Total.....	19.32	...	...	138

E. C. SHAWFIELD.

RAINFALL IN 1906.

At COLLINGHAM, in the County of Notts.

Rain Gauge { Diameter of Funnel $5\frac{1}{2}$ in.
Height of Top { Above Ground 1 ft.
Above Sea Level 28 ft.

Month.	Total Depth.	Greatest fall in 24 hours.		No. of days on which .01 or more fell.
	Inches.	Inches.	Date.	
January	2.96	...	...	8
February	2.33	...	...	17
March	1.77	...	...	24
April .....	.67	...	...	10
May	1.55	...	...	18
June	2.14	...	...	12
July .....	.41	...	...	3
August .....	.96	...	...	15
September .....	.94	...	...	14
October	4.55	.27	19	21
November	2.79	...	...	18
December	2.17	...	...	20
Total	23.24	...	...	180

EDWARD TURTON.

RAINFALL IN 1906.

At COLLINGHAM, in the County of Notts.

Rain Gauge { Diameter of Funnel 5in.
Height { Above Ground 1ft. 4in.
at Top { Above Sea Level

Month.	Total Depth.	No. of days on which rain fell.
	Inches.	
January	1·85	9
February ..	1·89	7
March	1·47	12
April ..	·62	7
May.....	1·24	10
June	1·68	7
July.....	·45	2
August	·95	5
September	·75	4
October	4·04	12
November	2·73	17
December	2·72	14
TOTALS.....	20·39	106

E. HOLMES.

TEMPERATURE IN 1906.

MONTHLY AVERAGE IN SHADE.

	Day.	Night.
January	41·56	33·29
February	44·9	36·
March ..	49·6	42·8
April	56·5	41·3
May	60·	42·5
June	65·5	54·7
July	69·7	55·3
August	71·6	60·
September	66·16	50·6
October	58·5	50·
November	51·53	44·6
December	43·	34·9

It may be interesting to note that whereas the day temperature normally increases month by month till the end of August, and thence- from decreases to the end of the year, the night temperature of March is higher even than that of May.

It is remarkable too that the average rainfall for ten years is 19·33, that of this year is 19·32, or within a hundredth part of an inch of the average.

E. C. SHAWFIELD.

